

AMENDMENTSIn the claims

This listing of the claims will replace all prior versions, and listings, of the claims in the present application

Claims listing

Claim 1. (Currently Amended) A cleaning composition comprising:

- a) a surfactant system,
- b) an oxidoreductase with an  $\alpha/\beta$ -hydrolase fold and a catalytic triad consisting of the amino acid residues serine, histidine and aspartic acid,
- c) a hydrogen peroxide source, and
- d) an organic acid

wherein said composition comprises a pH of from 7.5 to 12.7

wherein said composition further comprises an additional bleaching system, said additional bleaching system selected from the group consisting of enzymatic bleach systems, metallo catalyst based bleach systems and combinations thereof;

further wherein said metallo catalyst is a transition metal complex of a macropolycyclic rigid ligand.

Claims 2 to 26 (Cancelled)

Claim 27. (Original) A cleaning composition according to claim 1 wherein said oxidoreductase is present at a level of from about 0.0001% to about 2% pure enzyme by weight of total composition.

Claim 28. (Original) A cleaning composition according to claim 27 wherein said oxidoreductase is present at a level of from about 0.001% to about 1% pure enzyme by weight of total composition.

Claim 29. (Original) A cleaning composition according to claim 28 wherein said oxidoreductase is present at a level of from about 0.005% to about 0.1% pure enzyme by weight of total composition.

Claim 30. (Currently Amended) A cleaning composition according to claim 1 wherein said oxidoreductase is a non-heme haloperoxidase obtained from the strain *Serratia marcescens* and characterized by enzymatic activity in a range of from about 10% to about 40%, in a pH range of from about 7 to about 12.

Claim 31. (Original) A cleaning composition according to claim 1 wherein the organic acid is comprised at a level of from 0.1% to 50% by weight of total composition.

Claim 32. (Previously Presented) A cleaning composition according to claim 1 wherein the organic acid is comprised at a level of from 0.5% to 40% by weight of total composition.

Claim 33. (Previously Presented) A cleaning composition according to claim 1 wherein the organic acid is comprised at a level of from 1% to 20% by weight of total composition.

Claim 34. (Original) A cleaning composition according to claim 1 wherein said organic acid is a monocarboxylic acid of the formula  $RnH(n+1)COOH$  wherein  $n = 1-18$ .

Claim 35. (Original) A cleaning composition according to claim 34 wherein said organic acid is a monocarboxylic acid of the formula  $RnH(n+1)COOH$  wherein  $n = 2-14$ .

Claim 36. (Original) A cleaning composition according to claim 35 wherein said organic acid is a monocarboxylic acid of the formula  $RnH(n+1)COOH$  wherein  $n = 2-9$ .

Claim 37. (Previously Presented) A cleaning composition according to claim 34 wherein said organic acid is selected from the group consisting of acetic acid, propionic acid, nonanoic acid, lauric acid, their corresponding sodium salts and mixtures thereof.

Claim 38. (Original) A cleaning composition according to claim 1 wherein said hydrogen peroxide source generates hydrogen peroxide in the wash solution at a level of from about 0.0001 - about 10 mmoles.

Claim 39. (Original) A cleaning composition according to claim 38 wherein said hydrogen peroxide source generates hydrogen peroxide in the wash solution at a level of from about 0.0001 - about 2 mmoles.

Claim 40. (Original) A cleaning composition according to claim 39 wherein said hydrogen peroxide source generates hydrogen peroxide in the wash solution at a level of from about 0.0001 - about 0.3 mmoles.

Claim 41. (Previously Presented) A cleaning composition according to claim 38 wherein said level of hydrogen peroxide are maintained with a controlled releasing system.

Claim 42. (Previously Presented) A cleaning composition according to claim 1 wherein said hydrogen peroxide source is selected from the group consisting of perborate, percarbonate and mixtures thereof.

Claim 43. (Original) A cleaning composition according to claim 1 wherein said hydrogen peroxide source is an enzymatic hydrogen peroxide generating system.

Claim 44. (Previously Presented) A cleaning composition according to claim 1 wherein said hydrogen peroxide source is selected from the group consisting of a glucose/glucose oxidase, a lactate/lactate oxidase system, and mixtures thereof.

Claim 45. (Original) A cleaning composition according to claim 1 further comprising a detergent enzyme.

Claim 46. (Currently Amended) A cleaning composition according to ~~claim 47~~<sup>claim 45</sup> wherein said detergent enzyme is selected from the group consisting of cellulase, lipase, protease, amylase and mixtures thereof.

Claim 47. (Original) A cleaning composition according to claim 1 further comprising another bleach system.

Claim 48. (Original) A cleaning composition according to claim 47 wherein said bleach system is a conventional activated bleach system.

Claim 49. (Previously Presented) A cleaning composition according to claim 48 wherein the bleaching agent is selected from the group consisting of perborate, percarbonate and mixtures thereof and the activator selected from the group consisting of tetraacetylene diamine, nonanoyloxybenzenesulfonate, 3-5,-trimethyl-hexanoxoxybenzenesulfonate, and mixtures thereof.

Claims 50 to 53. (Cancelled)

Claim 54. (Original) A cleaning composition according to claim 1 wherein said oxidoreductase is alkaline.

Claim 55. (Original) A cleaning composition according to claim 1 which is in the form of an additive.

Claim 56. (Currently Amended) A fabric softening composition comprising

- a) a surfactant system comprising a cationic surfactant comprising two long chain lengths,
- b) an oxidoreductase with an  $\alpha/\beta$ -hydrolase fold and a catalytic triad consisting of the amino acid residues serine, histidine and aspartic acid,
- c) a hydrogen peroxide source and
- d) an organic acid

~~wherein said composition comprises a pH of from 7.5 to 12.7.~~

Claim 57. (Currently Amended) A method of cleaning comprising the step of contacting a fabric with ~~a~~<sup>the</sup> cleaning composition comprising a surfactant system, an oxidoreductase

with an  $\alpha/\beta$  hydrolase fold and a catalytic triad consisting of the amino acid residues serine, histidine and aspartic acid, a hydrogen peroxide source and an organic acid according to claim 1, for fabric cleaning and/or fabric stain removal and/or fabric whiteness maintenance and/or fabric softening and/or fabric colour appearance and/or fabric dye transfer inhibition  
wherein said composition comprises a pH of from 7.5 to 12.7.

Claim 58. (Currently Amended) A method of cleaning comprising the step of contacting a hard surface with a-the cleaning composition comprising a surfactant system, an oxidoreductase with an  $\alpha/\beta$  hydrolase fold and a catalytic triad consisting of the amino acid residues serine, histidine and aspartic acid, a hydrogen peroxide source and an organic acid wherein said composition comprises a pH of from 7.5 to 12.7 according to claim 1.

Claim 59. (Currently Amended) A method of cleaning comprising the step of contacting a dishware with a-the cleaning composition comprising a surfactant system, an oxidoreductase with an  $\alpha/\beta$  hydrolase fold and a catalytic triad consisting of the amino acid residues serine, histidine and aspartic acid, a hydrogen peroxide source and an organic acid wherein said composition comprises a pH of from 7.5 to 12.7 according to claim 1.

Claim 60. (Currently Amended) A method of cleaning teeth and/or mouth comprising the step of administration administering a-the cleaning composition comprising a surfactant system, an oxidoreductase with an  $\alpha/\beta$  hydrolase fold and a catalytic triad consisting of the amino acid residues serine, histidine and aspartic acid, a hydrogen peroxide source and an organic acid  
wherein said composition comprises a pH of from 7.5 to 12.7 according to claim 1.

Claim 61. (Currently Amended) A method of sanitization comprising the step of contacting a fabric, a hard surface or a dishware with a-the cleaning composition comprising a surfactant system, an oxidoreductase with an  $\alpha/\beta$  hydrolase fold and a catalytic triad consisting of the amino acid residues serine, histidine and aspartic acid, a hydrogen peroxide source and an organic acid  
wherein said composition comprises a pH of from 7.5 to 12.7 according to claim 1.

Claim 62. (Currently Amended) A method of sanitization of teeth and/or mouth comprising the administration of a step of administering the cleaning composition comprising a surfactant system, an oxidoreductase with an  $\alpha/\beta$  hydrolase fold and a catalytic triad consisting of the amino acid residues serine, histidine and aspartic acid, a hydrogen peroxide source and an organic acid  
wherein said composition comprises a pH of from 7.5 to 12.7 according to claim 1.